

We Claim:

241 1. A method for processing an amylaceous flour, said method comprising:

- 5 a. providing an aqueous slurry of an amylaceous flour comprising starch-protein and starch-starch agglomerates;
- b. subjecting said slurry to conditions of shear, cavitation and impact; and
- c. obtaining a slurry comprising deagglomerated starch granules and protein.

10 2. The method of Claim 1, wherein said conditions of shear, cavitation and impact are imparted by microfluidization.

15 3. The method of Claim 1, wherein said impact is imparted by converging two streams of said slurry.

4. The method of Claim 1, wherein said impact is imparted by particle-particle collision.

20 5. The method of Claim 1, wherein step (b) is conducted under high pressure.

6. The method of Claim 5, wherein said high pressure is in the range of about

3000-30,000 psi.

7. The method of Claim 5 wherein said high pressure is in the range of about 9000-15,000 psi.

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8. The method of Claim 1, wherein said amylaceous flour is milled seed selected from the group consisting of cereals, beans and legumes.

9. The method of Claim 1, wherein said amylaceous flour is milled seed selected from the group consisting of rice, corn, oats, wheat, rye, soybeans, and peas.

10. The method of Claim 1, wherein said amylaceous flour is milled rice.

11. The method of Claim 1, and further comprising the step of separating said deagglomerated starch granules from said protein.

12. The method of Claim 1, and further comprising recovering said starch granules and said protein from said slurry.

13. The method of Claim 1, and further comprising the step of drying said deagglomerated starch granules in the presence of protein to promote coating of

said starch granules with said protein.

14. The method of Claim 13, wherein said drying is spray drying.

15. A product produced by the process of Claim 1.

16. A product produced by the process of Claim 2.

17. A product produced by the process of Claim 3.

18. A product produced by the process of Claim 4.

19. A product produced by the process of Claim 5.

20. A product produced by the process of Claim 6.

21. A product produced by the process of Claim 7.

22. A product produced by the process of Claim 8.

23. A product produced by the process of Claim 9.

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24. A product produced by the process of Claim 10.

25. A product produced by the process of Claim 11.

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26. A product produced by the process of Claim 12.

27. A product produced by the process of Claim 13.

28. A product produced by the process of Claim 14.

420 29. A protein-coated starch product.

30. The protein-coated starch product of Claim 29 wherein the starch is rice starch.

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